

(No Model.)

H. E. RUSSELL, Jr.  
SHEET METAL LATCH CASE.

No. 412,418.

Patented Oct. 8, 1889.

Fig. 1.

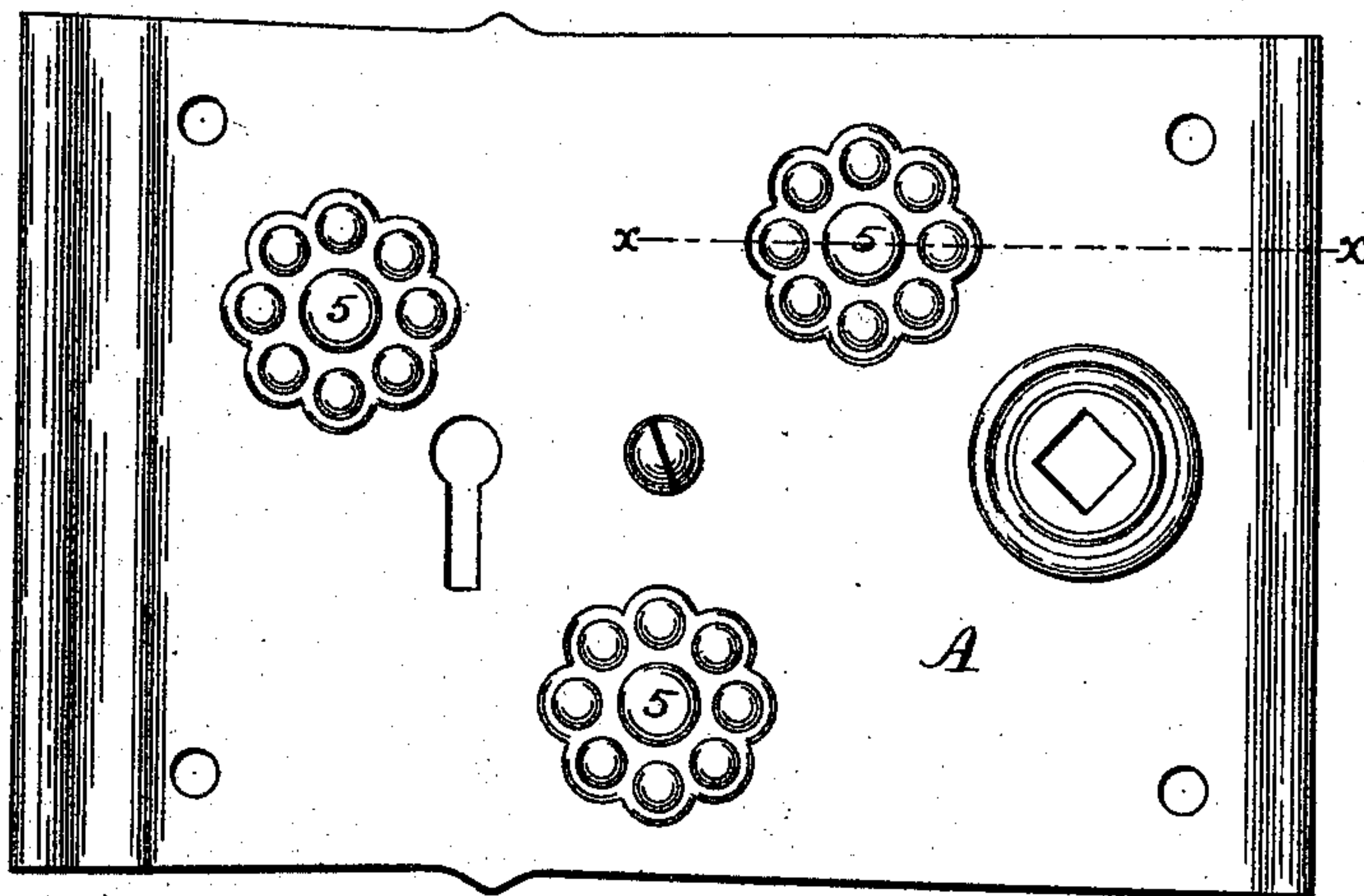
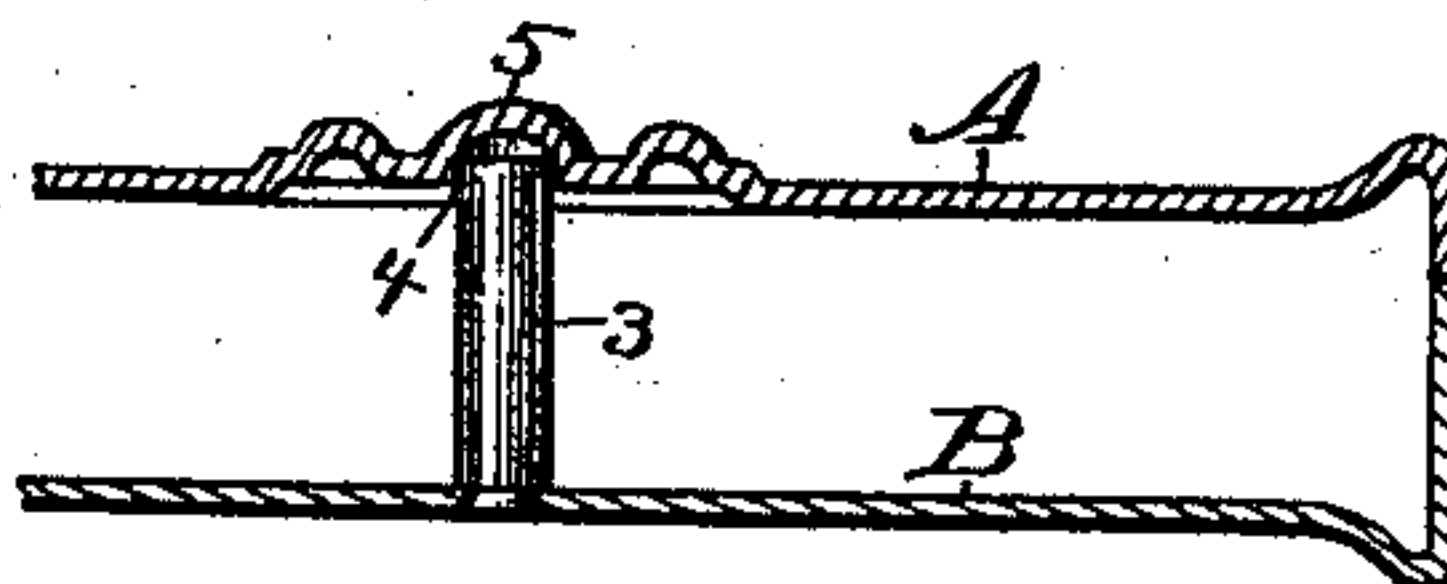


Fig. 2.



WITNESSES.  
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# UNITED STATES PATENT OFFICE.

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## SHEET-METAL LATCH-CASE.

SPECIFICATION forming part of Letters Patent No. 412,418, dated October 8, 1889.

Application filed May 31, 1889. Serial No. 312,673. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY E. RUSSELL, Jr., a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Sheet-Metal Latch-Cases, of which the following is a specification.

My invention relates to improvements in sheet-metal latch-cases; and the chief object of my improvement is to provide a connection for the cap and lock-post which shall present a neat finish upon the outside.

In the accompanying drawings, Figure 1 is a face view of the cap side of my lock-case; and Fig. 2 is a horizontal section of a portion of the same on line *x x* of Fig. 1, one of the lock-posts being shown in elevation.

A designates the cap, and B the body of the case. These parts are made of sheet metal, which in their general form may be like any known sheet-metal case.

In locks of various kinds posts are secured at one or more points for various uses in connection with parts of the latch or lock—as, for instance, for pivoting tumblers or angle-levers, &c. These posts—as, for instance, the post 3, Fig. 2—are rigidly secured to the body of the lock-case B, as shown, and their opposite end has been received in a perforation in the cap. Instead of a perforation, I strike up or swage in the cap at the point or points de-

signed to receive the ends of the post 3 a socket, as at 4, Fig. 2, upon the inside of the cap A, and upon the outside thereof I form an ornamental boss 5, either with or without the surrounding ornaments. The internal socket and external boss will be formed simultaneously in dies at a single operation. The posts 3 are left long enough to enter these sockets, and thereby serve to steady them, and also to prevent a lateral movement of the cap. At the same time the cap is left solid with an ornamental surface, which may be japanned or finished in any desired manner, which finish will not be disturbed in any way or marred by the reception of the post within the socket. In addition to the advantage of superior finish, the entire cap may be formed at a single blow of the press, and therefore produced at a small cost.

I claim as my invention—

The herein-described sheet-metal lock or latch case having a post or posts secured to the body thereof and a cap provided with a socket swaged upon its inside for receiving the ends of said posts, substantially as described, and for the purpose specified.

HENRY E. RUSSELL, JR.

Witnesses:

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